

## Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 EB-08 SOE-02 AID-05 CEA-01 CIAE-00  
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R 131619Z APR 78  
FM AMEMBASSY MOSCOW  
TO SECSTATE WASHDC 0421  
USDOE WASHDC  
INFO USDOE GERMANTOWN MD

UNCLAS MOSCOW 07647

USDOE FOR BILLY HILL

E.O. 11652: N/A  
TAGS: TGEN, ENRG, US, UR  
SUBJECT: US-USSR ENERGY AGREEMENT: SUPERCONDUCTING  
TRANSMISSION (08.0207)

1. TROSHIN HAS PROVIDED LETTERS DATED 3 APRIL, IN ENGLISH  
FROM LEVITOV TO LONG GIVEN AS PARA 2, AND FROM BLINKOV  
TO HOFFER, GIVEN AS PARA 3. PLEASE POUCH TO EMBASSY COPY  
OF LEVITOV-LONG LETTER CARRIED BY TAYLOR, FOR WHICH  
LEVITOV SEEKS RESPONSE.

2. DEAR DR. LONG:

PLEASE FORWARD TO DR. J. HOFFER (LASL) THE ENCLOSED  
LETTER FROM DR. YE. BLINKOV. THE LETTER CONCERNS THE  
PRESENTATION AT THE PITTSBURGH APPLIED SUPERCONDUCTIVITY  
CONFERENCE OF AN ABSTRACT OF THE JOINT PAPER ON THE  
EXPERIMENTAL RESULTS OBTAINED AT OUR INSTITUTE LAST  
DECEMBER.

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I AM LOOKING FORWARD TO A REPLY TO MY LETTER OF MARCH 24  
SENT WITH DR. R. TAYLOR AS WELL AS YOUR SUGGESTIONS AND  
COMMENTS ON OUR JOINT PAPER.

SINCERELY, PROFESSOR VLADIMIR LEVITOV.

3. DEAR DR. HOFFER:

THANK YOU FOR YOUR LETTER OF MARCH 6 AND INFORMATION ON THE PRESENTATION OF ABSTRACTS AT THE 1978 APPLIED SUPER-CONDUCTIVITY CONFERENCE IN PITTSBURGH. SINCE WE ARE UNABLE TO PREPARE THE ABSTRACT OF THE PAPER (AN EXPERIMENTAL STUDY OF TEMPERATURE DEPENDENCE OF CRITICAL CURRENT ON FULL-SIZE SUPERCONDUCTING CABLE SECTION BY YE. L. BLINKOV, N. T. BENDIK, J. HOFFER AND G. MORGAN) IN KEEPING WITH THE REQUIREMENTS OF THE ORGANIZING COMMITTEE WE WOULD APPRECIATE YOUR HELP IN THIS MATTER. WE FORWARD TO YOU BRIEF INFORMATION AND SOME DATA ABOUT OUR JOINT EXPERIMENTS LAST DECEMBER. WE HOPE THE INFORMATION WILL BE USEFUL IN WRITING THE ABSTRACT, AND WE'D APPRECIATE RECEIVING A COPY OF IT. PROBABLY IT WOULD BE DESIRABLE TO INDICATE THAT THE FULL-SIZE SECTION OF THE SINGLE-PHASE COAXIAL 1SPK-M SUPERCONDUCTING POWER CABLE WITH A RIGID CURRENT-CARRYING SYSTEM WAS RATED FOR 10 KA. 8-M LONG COPPER PIPES 55 AND 80 MM IN DIAMETER WERE USED TO MANUFACTURE THE CURRENT - CARRYING SYSTEM. THE INVESTIGATIONS WERE CONDUCTED AT 7 TO 16 K BY CURRENT PULSE TECHNIQUES. IT IS CHARACTERISTIC FOR THE OBTAINED TEMPERATURE DEPENDENCE OF CRITICAL CURRENT THAT AT TEMPERATURES ABOVE 9 K THE SLOPE OF THE CURVE IS SUBSTANTIALLY LESS THAN AT LOWER TEMPERATURES.

BEST REGARDS TO YOU FROM DR. N. BENDIK. SINCERELY,  
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YEVGENY BLINKOV. TOON

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NNN

## Message Attributes

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**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
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